CONTAMINATION-RESISTANT SAND CONTROL APPARATUS AND METHOD FOR PREVENTING CONTAMINATION OF SAND CONTROL DEVICES

ABSTRACT OF THE INVENTION

The present invention relates to a contamination-resistant sand control apparatus and a method for preventing the contamination of sand control devices. More particularly, the invention involves placing time-release treatment chemicals in a flow channel that communicates with the sand control device. The treatment chemicals take the form of time-release capsules or are coated on a surface of the sand control device and may include scale inhibitors, paraffin inhibitors, asphaltene inhibitors, enzymes and the like. The treatment chemicals prevent and clear the formation and buildup of particulates on a surface of the sand control apparatus.